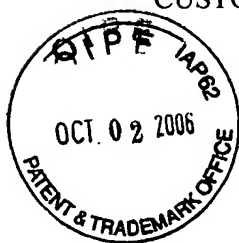


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CUSTOMER NO. 30430



Docket No.: 01-OT-080  
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Letters Patent of:  
Xianbin Wang

Patent No.: 7,103,004

Issued: September 5, 2006

For: METHOD AND APPARATUS FOR  
APPLICATION DRIVEN ADAPTIVE  
DUPLEXING OF DIGITAL SUBSCRIBER  
LOOPS

**TRANSMITTAL LETTER**

Attention: Certificate of Correction Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to:  
Attention: Certificate of Correction Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: September 30, 2006

Signature:

*Carol Marsteller*  
(Carol Marsteller)

Dear Sir:

Enclosed are the following items for filing in connection with the above-referenced

Patent:

1. Request for Certificate of Correction (No Fee) (2 pages);
2. Certificate of Correction (3 pages); and
3. Postcard Acknowledgment.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this

**Certificate**

OCT 05 2006

OCT 10 2006

**of Correction**

Application No.: 10/028,805

Docket No.: 01-OT-080

application by this firm) to our Deposit Account No. 10-0447, under Order No. 01-OT-080. A duplicate copy of this paper is enclosed.

Dated: September 26, 2006

Respectfully submitted,

By 

Andre M. Szuwalski

Registration No.: 35,701

JENKENS & GILCHRIST, A PROFESSIONAL  
CORPORATION

1445 Ross Avenue, Suite 3700

Dallas, Texas 75202

(214) 855-4500

Attorneys For Applicant



CUSTOMER NO. 30430

Docket No.: 01-OT-080  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Letters Patent of:  
Xianbin Wang

Patent No.: 7,103,004

Issued: September 5, 2006

For: METHOD AND APPARATUS FOR  
APPLICATION DRIVEN ADAPTIVE  
DUPLEXING OF DIGITAL SUBSCRIBER  
LOOPS

**REQUEST FOR CERTIFICATE OF CORRECTION  
PURSUANT TO 37 CFR 1.322**

Attention: Certificate of Correction Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to:  
Attention: Certificate of Correction Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: September 24, 2006

Signature:

*Carol Marsteller*  
(Carol Marsteller)

Upon reviewing the above-identified patent, Patentee noted typographical errors which should be corrected.

**Patent**

**Application filed**

Column 5, line 58

Page 16, line 7;  
Patent Application filed December 19, 2001

Column 17, line 40,  
Claim 5

Page 3, claim 5;  
Amendment filed January 18, 2006

Column 17, line 46,  
Claim 6

Page 3, claim 6;  
Amendment filed January 18, 2006

Column 17, line 50,  
Claim 6

Page 3, claim 6;  
Amendment filed January 18, 2006

Column 17, line 57,  
Claim 6

Page 3, claim 6;  
Amendment filed January 18, 2006

<u>Patent</u>	<u>Application filed</u>
Column 18, line 1, Claim 7	Page 4, claim 7; Amendment filed January 18, 2006
Column 18, line 24, Claim 8	Page 4, claim 8; Amendment filed January 18, 2006
Column 18, lines 37-38, Claim 9	Page 5, claim 9; Amendment filed January 18, 2006
Column 18, line 63, Claim 15	Page 6, claim 15; Amendment filed January 18, 2006
Column 19, line 27, Claim 20	Page 8, claim 20; Amendment filed January 18, 2006
Column 19, line 36, Claim 21	Page 8, claim 21; Amendment filed January 18, 2006
Column 19, line 55, Claim 22	Page 9, claim 22; Amendment filed January 18, 2006
Column 20, line 5, Claim 23	Page 10, claim 23; Amendment filed January 18, 2006
Column 20, line 36, Claim 28	Page 11, claim 28; Amendment filed January 18, 2006
Column 20, line 38, Claim 28	Page 11, claim 28; Amendment filed January 18, 2006
Column 20, line 67, Claim 32	Page 13, claim 32; Amendment filed January 18, 2006
Column 21, line 2, Claim 32	Page 11, claim 32; Amendment filed January 18, 2006
Column 21, line 19, Claim 36	Page 14, claim 36; Amendment filed January 18, 2006
Column 21, lines 39-40, Claim 37	Page 14, claim 37; Amendment filed January 18, 2006

OCT 10 2006

The errors were not in the application as filed by applicant; accordingly no fee is required.

Transmitted herewith is a proposed Certificate of Correction effecting such amendment. Patentee respectfully solicits the granting of the requested Certificate of Correction.

Dated: September 24, 2006

Respectfully submitted,

By 

Andre M. Szuwalski

Registration No.: 35,701

JENKENS & GILCHRIST, A PROFESSIONAL  
CORPORATION

1445 Ross Avenue, Suite 3700

Dallas, Texas 75202

(214) 855-4500

Attorneys For Applicant

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

Page 1 of 3

PATENT NO. : 7,103,004  
APPLICATION NO. : 10/028,805  
ISSUE DATE : September 5, 2006  
INVENTOR(S) : Xianbin Wang

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 5, line 58,	Replace "purposes) Following" With --purposes). Following--
Column 17, 40, Claim 5	Replace "number" With --numbers--
Column 17, line 46, Claim 6	Replace "a required upstream" With --a required multi-subcarrier upstream--
Column 17, line 50, Claim 6	Replace "of a subcarrier location" With --of subcarrier location--
Column 17, line 57, Claim 6	Replace "the required upstream" With --the required multi-subcarrier upstream--
Column 18, line 1, Claim 7	Replace "a plurality of location" With --a plurality of subcarrier location--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Andre M. Szuwalski  
JENKENS & GILCHRIST, A PROFESSIONAL CORPORATION  
1445 Ross Avenue, Suite 3700  
Dallas, Texas 75202

7,103,004

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

Page 2 of 3

PATENT NO. : 7,103,004  
APPLICATION NO. : 10/028,805  
ISSUE DATE : September 5, 2006  
INVENTOR(S) : Xianbin Wang

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 18, line 24, Claim 8	Replace "avialable" With --available--
Column 18, lines 37-38, Claim 9	Replace "of adapted" With --of the adapted--
Column 18, line 63, Claim 15	Replace "cancelling" With --canceling--
Column 19, line 27, Claim 20	Replace "than a total" With --than in a total--
Column 19, line 36, Claim 21	Replace "a plurality of location" With--a plurality of subcarrier location--
Column 19, line 55, Claim 22	Replace "a plurality of location" With --a plurality of subcarrier location--
Column 20, line 5, Claim 23	Replace "uupstream" With --upstream--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Andre M. Szuwalski  
JENKENS & GILCHRIST, A PROFESSIONAL CORPORATION  
1445 Ross Avenue, Suite 3700  
Dallas, Texas 75202

7,103,004

**OCT 10 2006**

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

Page 3 of 3

PATENT NO. : 7,103,004  
APPLICATION NO. : 10/028,805  
ISSUE DATE : September 5, 2006  
INVENTOR(S) : Xianbin Wang

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 20, line 36, Claim 28	Replace "scheme," With --schemes,--
Column 20, line 38, Claim 28	Replace "scheme," With --schemes,--
Column 20, line 67, Claim 32	Replace "scheme," With --schemes,--
Column 21, line 2, Claim 32	Replace "scheme," With --schemes,--
Column 21, line 19, Claim 36	Replace "subcarrier less than a total" With --subcarriers less than in a total--
Column 21, lines 39-40, Claim 37	Replace "noise effect with respect to any other active DSL loop" With --noise effect of the new DSL loop--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Andre M. Szuwalski  
JENKENS & GILCHRIST, A PROFESSIONAL CORPORATION  
1445 Ross Avenue, Suite 3700  
Dallas, Texas 75202

7,103,004